



Passive Components > Resistors > Through-Hole Resistors



Resistor Type: **Power Resistor**
Element Type: **Ceramic Composition**
Power Rating: **2 W**
Resistance Class: **1kΩ – 1MΩ**
Resistance Value: **220K Ω**

Features

Usage Conditions

Operating Temperature Range	-40 – 200 °C
Temperature Coefficient	±1300 ppm/°C

Electrical Characteristics

Operating Voltage	400 V
Power Rating	2 W
Resistance Class	1kΩ – 1MΩ
Resistance Value	220K Ω
Passive Component Tolerance	10 %

Product Type Features

Resistor Type	Power Resistor
Element Type	Ceramic Composition

Configuration Features

Number of Resistors	1
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Body Features

Lead Type	Axial-Leaded
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Termination Features

Termination Area Base Material	Copper
Number of Terminations	2



Dimensions

Passive Component Dimensions	19 x 7 mm
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Packaging Features

Packaging Method	Loose Piece - Box
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Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant with Exemptions

Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant with Exemptions
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Wave solder capable to 265°C

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

Compatible Parts

CCR2220KKB

Through-Hole Power Resistor, Ceramic Composition, 2 W, 220K ohm, 10 %, ±1300 ppm/°C, Axial-Leaded, Copper Termination, 19 x 7 mm, CGS CCR



TE Part # 1623720-4
CCR2 1K0 10%



TE Part # 1-1623719-4
CCR1 10K 10%



TE Part # 1-1623719-2
CCR1 470R 10%



TE Part # 1-1623719-0
CCR1 47R 10%



TE Part # 4-1623720-5
CCR2 27R 10% TAPED



TE Part # 1-1623720-8
CCR2 68R 10% BULK

Also in the Series | CGS CCR

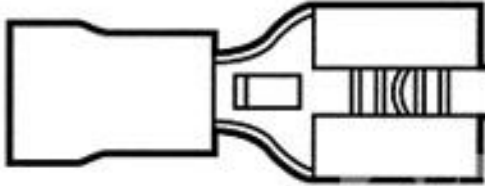


Through-Hole Resistors(72)

Customers Also Bought



TE Part #3-1415055-1
SR4D4024



TE Part #160314-2
250 FASTON



TE Part #5-826629-0
50P AMPMODU II PIN HDR.



TE Part #34108
SOLIS R 22-16 COMM 22-18 MIL 8



TE Part #34150
PG R 22-16 COMM 22-18 MIL 1/4



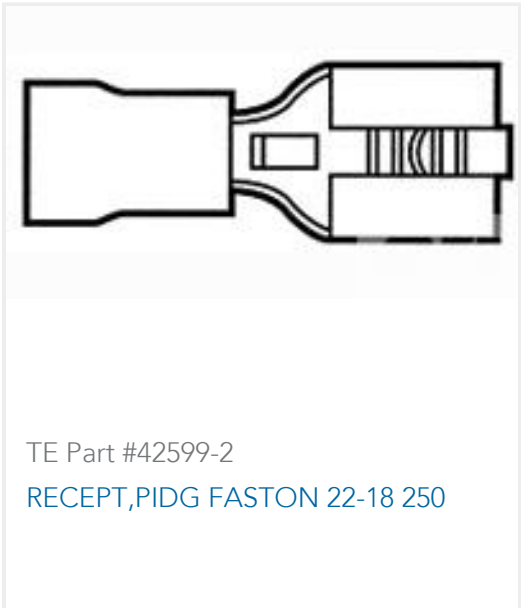
TE Part #172157-1
2CIR MINI U-M-N-L CAP NATL



TE Part #42400-2
250 FASTON REC 18-14 AWG TPBR



TE Part #826634-8
08P MODU 2 PIN HDR



Documents

Product Drawings

CCR2 220K 10%

English

CAD Files

Customer View Model

ENG_CVM_CVM_3-1623720-2_BA.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-1623720-2_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-1623720-2_BA.3d_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

4-1773460-6_RESISTIVE_SOLUTIONS_RAIL

English

1309350_PASSIVE_COMPONENT

English

8-1773459-4_POWER_FILTERING_AND_RESISTIVE_SOLUTIONS_FOR_ELEVATORS_AND_ESCALATORS

English

Ceramic Composition Resistors - Type CCR Series - Tyco Electronics Passives

English